

# M.I.E.T. ENGINEERING COLLEGE CIVIL ENGINEERING

## MAGAZINE



2020 - 2021

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## M.I.E.T. ENGINEERING COLLEGE, TRICHY -7

### DEPARTMENT OF CIVIL



#### Chairman's Message

Being the current world not a hasty track, the responsibility of creating a high-quality educational institution is challenging and embellished with a host of initiatives which validate them over an extended time span. Moreover, in a world where time and space are compacted, there is a massive defy for success which necessitates knowledge, which is current, pertinent and based on real experience. In this situation, the education plays a paramount role in molding, shaping and preparing youngsters to face the challenges of the future world. We at M.I.E.T.

**Er. A. Mohamed Yunus B.E., M.Sc.(ENGG.)** motivate and empower our students to be enduring  
**Chairman – M.I.E.T. Institutions.** learners, critical thinkers and prolific members of an ever-changing global society. Also, the students are encouraged to channelize their potential in the pursuit of fineness in a holistic and student-centered environment. Moreover, M.I.E.T. strives hard to sensitize its students to the needs of the community and inculcate values like truthfulness, fortitude and acceptance of individual differences. I am confident that M.I.E.T. will always be a bonfire of light guiding the fate of its students, while blistering kindness and compassion as it ascends high in its pursuit of academic excellence and accomplishment of our motto “Humanize, Equalize, Spiritualize”. To ensure the same, we have an excellent portfolio of industry professionals and academicians on our faculty, who provide a holistic view of the shades of engineering and managerial operations to our students. The students are prepared to enrich their careers by endowing them with the necessary talent and critical thinking to become self-directed learners and prolific citizens contributing positively to the society.



### **Vice Chairman's Message**

I beckon every prospective student to become liable engineers and make their parents, institute and the nation proud. While scientists study the world as it is, engineers make the world that has never been. Of course engineering is the key driver of human development in this world. The M.I.E.T. today has metamorphosed into an unsurpassed institution with significant visibility. It was only natural to give M.I.E.T. the look and feel of a more complete academic environment and we have ensured that with the development of the Engineering and

**Dr. M. Y. Abdul Jaleel, B.E., M.Tech., Ph.D**  
**Vice Chairman - M.I.E.T. Institutions**

Technological studies in recent years. Today, it is well known that the corporate seeks a generation of young people who are not only enlightened, but also trained and developed to think innovatively. They are expected to meet tough challenges and create opportunities in uncharted areas with unprecedented success as risk takers. They soon settle in an advanced academic ecosystem which abets an innovative approach to the evolving challenges of the academic world. They will be required to acquire diverse skills and competencies understand the parameters of foremost a dignified quality of life to achieve the same through intellectual self-propelled pursuits. I am sure that with our collective vision, we will accomplish the enshrined goals through dynamic, participative and scholarly academic inputs duly complemented by collaborative deployment of professionals of high repute and caliber. The M.I.E.T. will unquestionably serve as a cradle of innovation and research to facilitate this.



**Dr. A. Naveen Sait, M.E., Ph.D.**  
**Principal - M. I. E. T. Engineering College**

### **Principal's Message**

M.I.E.T. Strives to make a better world through education, research and innovation. The institution functions with a motto of accelerating this great Nation's industrial development with its highly skilled and qualified technocrats. I extend a warm welcome to all the students and scholars who choose M.I.E.T. as a preferred destination for their higher education and research. Certainly, the institution serves as a territory of happy

learning with great fun and joy. It provides a peaceful and creative learning environment with ample opportunities to develop their curricular, co-curricular and extra-curricular activities. The college has modern infrastructure, state of art laboratories, well qualified trained and dedicated faculty members to cater the needs of its stakeholders. We at M.I.E.T. ensure that the student community is completely satisfied with the facilities available and the management is committed to fulfill the needs, when and where required. The institute has been deeply committed to develop and motivate the young talents to take up the challenge they face after graduation. The institute will definitely continue to contribute for development and growth of young minds.

## **About the Department**

The Department of Civil Engineering was launched in the academic year 2006-2007. In the year 2010 the Department was upgraded as a Post Graduate Department with the commencement of M.E. Structural Engineering. The Department maintains a constant focus on high quality of Teaching and Learning processes in Civil Engineering that makes the outgoing students confident in meeting the challenges arising out of technological advancement in the field. The Department offers B.E. Civil Engineering programme with the total annual sanctioned intake of 60, following the curriculum prescribed by Anna University, Chennai. The major subjects included are: Structural Engineering, Transportation Engineering, and Water Resource Engineering, Geo technical Engineering, Environmental Engineering and Construction Management. The Department is under the constant care of a team of committed, qualified and student centric Teachers. Further, the learning activities are supported by several laboratories endowed with advanced instruments and equipments. The major laboratories are: Advanced Structural Engineering Lab, Computer Aided Design and Drafting Lab, Strength of Materials Lab, Applied Hydraulics Engineering Lab, Soil Mechanics Lab and Water and Wastewater Analysis Lab. These laboratories play a crucial role in imparting hands on experience and practical skills to the students. The students are encouraged to participate National and Regional Level Seminars, Workshops and Conferences organized by Research organizations such as CECRI, SERC, BHEL and Institutes of Excellence like NITs and IITs. The department also encourages the students in organizing and conducting Seminars and Workshops on chosen field inviting participants from the other Institutions. In order to expose the students to recent technological advances, Guest Lectures are arranged inviting eminent Scientists, Technocrats, Industrialist and Professors from NIT-T and IIT-M. Industrial and Field visits are regularly arranged and the students are taken to Cement Factories, Brick making units, Railway Workshops, Tanning Industries, Dams and Reservoirs. These activities give the students an exposure to real work-space Environment. The Department Alumni are occupying high position in overseas construction industries, Government Departments and many of them have established their own construction Industries. In view of changing environment leading to climate change and consequent adverse effects such as high temperature, cyclone, and heavy rainfall, the safety of dwellers in the buildings need to be protected. The Department is very much conscious of adverse changes in the environment and making efforts to modify and redesign in Civil Engineering education and training.

## **VISION AND MISSION OF THE INSTITUTION AND DEPARTMENT**

### **VISION OF THE INSTITUTION**

To be a center of excellence in Technical Education through Technical, Ethical and Professional skills for meeting the diverse needs of the Society, in particular Muslim minority community and the Nation.

### **MISSION OF THE INSTITUTION**

- ❖ To impart Quality Education, Training and Research in the fields of Engineering and Technology.
- ❖ To provide a conducive learning environment that enables the students to achieve professional and personal growth.
- ❖ To expose the contemporary issues of society, ethical practices and to create environmental awareness.
- ❖ To provide the required infrastructural facilities for developing the professional and innovative skills.

### **VISION OF THE DEPARTMENT**

A knowledge hub in Civil Engineering sciences, contributing to the progress of humanity through innovative thinking, domain expertise and high ethical values.

### **MISSION OF THE DEPARTMENT**

- ❖ To provide quality education through industry based value-added trainings and develop skilled Civil Engineers.
- ❖ To nurture competent professionals trained in designing and implementing Civil Engineering systems and to perform professionally and ethically.
- ❖ To provide a conducive environment that fosters aptitude for research, higher education, entrepreneurship skills, leadership quality, and lifelong learning.

## DEPARTMENT ACTIVITIES

### MoU Companies

Sl.No.	Company Name	Duration Year of MoU	Description
1.	NHAI	5 years	Internship and Skill Enhancement Programme

### Number of events organized through IGS Students Forum and Department Association – CESA

Sl. No.	Date	Name of the event	Resource Person
1.	29.9.2020	Engineering Nexus with Current Industry Practices and Standards (Seminar)	Mr.Srinivas Anumala, AGM TATA Projects Limited, Hyderabad.
2.	7.10.2020	Career Options for Civil Engineers (Seminar)	Mr.G.Santhanam, Centre Director, TCIL-IT Education & Training, (A Govt. of India Enterprise)
3.	15.3.2021 to 19.3.2021	Bar Bending and Scheduling (workshop)	Mr.K.Pandi & Mr.S.Arunsayaraj M.I.E.T. Engineering College, Trichy.
4.	24.03.2021	HR Conclave - 2021 (Guest Lecture)	Mr. S.Ramani Balaji Project Manager, Rane TRW Steering Systems PVT Ltd, Trichy
5.	19.4.2021	Fabrication and Manufacturing of Pre Engineered Structure (Guest Lecture)	Mr.K.Jothi Shankar, ManagingPartner, PUSHPAA Engineering, Trichy.
6.	19.5.2021	Building Plan Approval Procedures (Guest Lecture)	Er.P.R.Nagendran, B.E.,REC,RE (Grade-I)/CEO Govt.Registered Construction Civil Engineer,Trichy.



## Research and Development

Sl. No.	Title of the Paper	Name of the authors	Name of the Journal	Year of Publication	ISSN number	Category
1.	A Review on the Structural Behavior of Cold-Formed Steel Beam-Column Joints	F. Mohammed Suhail and S.Balaji	International Journal of Advanced Science and Technology (IJAST)	2020	2005 - 4238 (Print)	Scopus
2.	Studies on Strength and Durability Properties of Concrete with Partial Replacement of Cement in Phosphogypsum	P.Ramesh, K.Pandi, S.Ganeshamma l, Gomathi	International Research Journal of Innovations in Engineering and Technology (IRJIET)	2020	2581 - 3048	-
3.	Partial Replacement of Low-Density Polyethylene by Fine Aggregate in Concrete	S. Janarthanan, S. Arun Sahayaraj	International Conference on New Scientific Creations inEngineering and Technology	2020	-	-
4.	Experimental investigation on partial replacement of fine aggregate by wood ash on concrete	A.Mohamed Ashik Raja and B.Sekar	International Conference on New Scientific Creations inEngineering and Technology	2020	-	-

## List of Papers presented in the Conference by faculties:

Sl. No	Name of the author/s	Name of the conference	Title/Year of publication
<b>International conference</b>			
1.	Dr.R.Saravanan	(THE3E 2020)	Participated March 2020
2.	Belin Jude	(ICRACE'20)	Experimental investigation of calcium admixtures on recycled aggregate concrete
3.	Belin Jude	(ICNSCET-2K20)	Experimental investigation of lathe scrap and GGBS in concrete
4.	S.Arun Sahayaraj	(ICNSCET-2K20)	Partial replacement of recycled waste glass by fine aggregate in concrete
5.	S.Arun Sahayaraj	(ICNSCET-2K20)	Partial replacement of low density polyethylene by fine aggregate in concrete

## Patent Details

Sl.No	Name	Title	Application Number/ Publication Number	Status/year of publication
1	Dr.A.Belin Jude	Structural model for health monitoring on RC elements using IOT	202041034241 A	04/09/2020

## STUDENTS ACHIEVEMENT

### Placement Details

Sl.No.	Name of the student placed	Enrolment no.	Name of the Employer	Appointment letter reference no. with date
1.	Mr. Ajith Kumar. K	E1171005	Bright Homes, Trichy	15.03.2021
2.	Mr. Aravind. A	E1171008	RNS Construction, Tirunelveli	15.03.2021
3.	Mr. Azarudeen. S	E1171009	Habitat Form construction, Chennai & Tanjore	09.03.2021
4.	Mr. Basheer. M	E1171010	RNS Construction, Tirunelveli	15.03.2021
5.	Mr. Darwish Ahamed. M	E1171011	Habitat Form construction, Chennai & Tanjore	09.03.2021
6.	Mr. Divakaran. G	E1171013	I Cube Constructions, Chennai	11.03.2021
7.	Mr. Haamithullah. Y.S	E1171015	Vel Construction	18.03.2021
8.	Mr. IsakAhamed. J	E1171016	Bright Homes, Trichy	15.03.2021
9.	Mr. Izas Ahamed. H	E1171017	Habitat Form construction, Chennai & Tanjore	09.03.2021
10.	Mr. Jayaprakash. G	E1171018	I Cube Constructions, Chennai	11.03.2021
11.	Mr. Kishore J. J	E1171019	Bright Homes, Trichy	15.03.2021
12.	Mr. Mahadevan. N	E1171020	Habitat Form construction, Chennai & Tanjore	09.03.2021
13.	Mr. Mohamed Anas. J	E1171021	I Cube Constructions, Chennai	11.03.2021
14.	Mr. Mohamed Ashik. J	E1171023	SM Bharathi Constructions	09.03.2021
15.	Mr. Mohamed Riswan. M	E1171026	Habitat Form construction, Chennai & Tanjore	09.03.2021

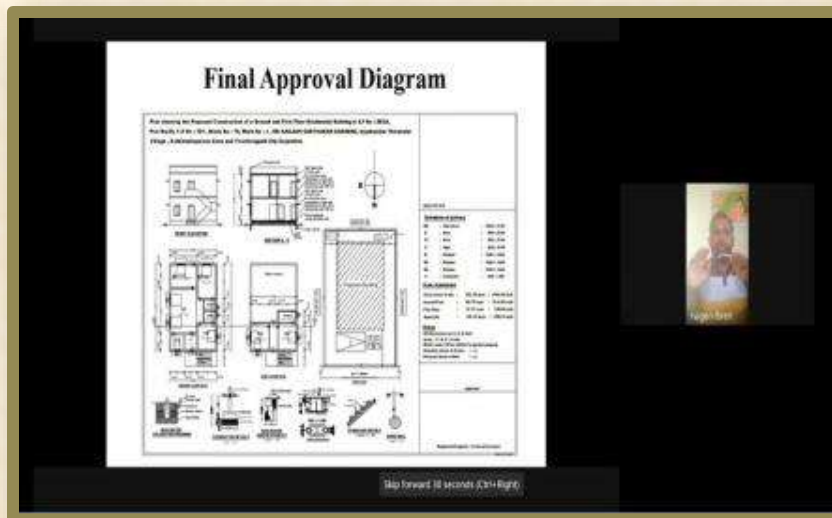
16.	Mr. Mohamed Riyas M. M	E1171027	Vel Construction	18.03.2021
17.	Mr. Mohamed Suhail. H	E1171030	I Cube Constructions, Chennai	11.03.2021
18.	Mr. Prince Natheem.M	E1171035	Bright Homes, Trichy	15.03.2021
19.	Mr. Riyas Ahamed. M	E1171036	Habitat Form construction, Chennai & Tanjore	09.03.2021
20.	Mr. Santhosh. P	E1171037	Bright Homes, Trichy	15.03.2021
21.	Mr. Sheik Mohamed Yoosuf. M.H	E1171040	SM Bharathi Constructions	09.03.2021
22.	Mr. Sri Kannan. S	E1171042	Habitat Form construction, Chennai & Tanjore	09.03.2021
23.	Mr. YakoobFarthani.	E1171046	I Cube Constructions, Chennai	11.03.2021
24.	Mr. Ahamed Tharik. K	E2181048	Alpha Builders	26.03.2021
25.	Mr. Arjun Raj. R	E2181049	I Cube Constructions, Chennai	11.03.2021
26.	Mr. Lakshman. S	E2181053	I Cube Constructions, Chennai	11.03.2021
27.	Mr. Manikandan. B	E2181054	Bright Homes, Trichy	15.03.2021
28.	Mr. Movin Jerome. SA	E2181056	Hasmec Technologies Private Limited.	15.03.2021
29.	Mr. Ramanathan. M	E2181057	Habitat Form construction, Chennai & Tanjore	09.03.2021
30.	Mr. Dinesh kumar P	M 1171063	I Cube Constructions, Chennai, Chennai	11.03.2021
31.	Mr. Karuppaiah S	M 1171065	Hasmec Technologies Private Limited.	15.03.2021
32.	Ms. Mohanapriya P	M 1171066	SM Bharathi Constructions	09.03.2021
33.	Mr. Mohan kumar M	M 1171067	Vel Construction	18.03.2021
34.	Mr. Nithishkumar N	M 1171068	Habitat Form construction, Chennai & Tanjore	09.03.2021
35.	Mr. Prabhakaran C	M 1171069	Bright Homes, Trichy	15.03.2021
36.	Mr. Prakash R	M 1171070	SM Bharathi Constructions	09.03.2021
37.	Ms. Roselinpreethi G	M 1171071	Venpa Staffing Services PVT Ltd	19.03.2021
38.	Mr. Sathish S	M 1171072	Bright Homes, Trichy	15.03.2021

39.	Ms. Subalakshmi K	M 1171073	Venpa Staffing Services PVT Ltd	19.03.2021
40.	Mr. Surya prakash M	M 1171074	Alpha Builders	26.03.2021
41.	Mr. Vikram T	M 1171075	SM Bharathi Constructions	09.03.2021
42.	Mr. Harish G P	M 2181077	Bright Homes, Trichy	15.03.2021
43.	Mr. Imran J	M 2181078	Vel Construction	18.03.2021
44.	Mr. Karthick P	M 2181079	Hasmec Technologies Private Limited.	15.03.2021
45.	Mr. Rajesh M	M 2181081	Alpha Builders	26.03.2021
46.	Mr. Vignesh V	M 2181082	Hasmec Technologies Private Limited.	15.03.2021

# Gallery



**Engineering Nexus with Current Industry Practices and Standards**



**(Seminar)**

**Mr.G.Santhanam,**

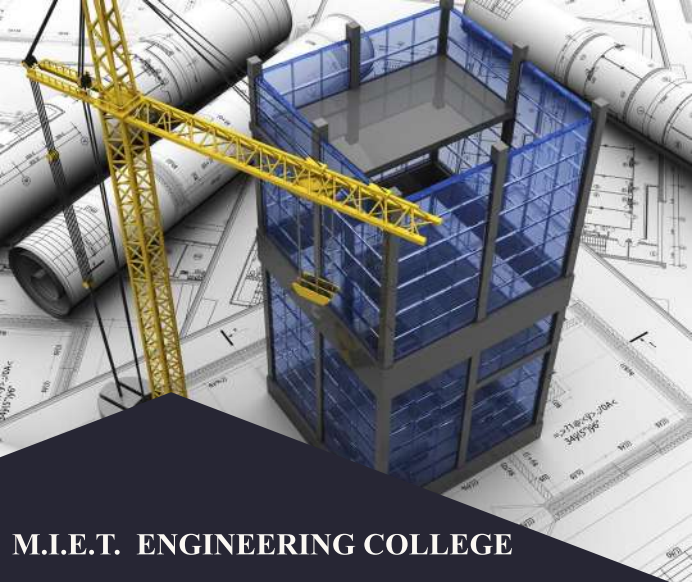
**Mr.Srinivas Anumala,AGM TATA Projects Limited,Hyderabad.**



**Career Options for Civil Engineers(Seminar)**

**Centre Director,TCIL-IT Education & Training,(A Govt. of India Enterprise)**





# **M.I.E.T. ENGINEERING COLLEGE**

**Trichy-Pudukkottai Road, Gundur, Tiruchirappalli-7**

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